

Application No. 10/674729
Page 2

Amendment
Attorney Docket No. S63.2Q-13017-US04

Amendments To The Claims:

1-30. (Cancelled)

31. (Currently Amended) A stent insertable into the body passageway, including:

a flexible self-expanding braided tubular wall comprising at least one first wire helically wound at a substantially constant first pitch and at least one second wire helically wound at a substantially constant second pitch different from the first pitch whereby the first and second wires cooperate to form multiple crossing points of the at least one first wire and the at least one second wire;

wherein at selected ones of the crossing points, each of the first wire and the second wire is shaped to form an elevation extended away from the braided tubular wall in a selected direction radially of the braided tubular wall; and

wherein said elevations are arranged in at least one elevation pattern on the braided tubular wall, and the at least one elevation pattern has a third pitch different from the first pitch and different from the second pitch.

32. (Previously Presented) the stent of claim 31 wherein:

the third pitch is less than the first pitch, and less than the second pitch.

33-39. (Cancelled)

40. (Previously Presented) the stent of claim 31 wherein:

said elevations extend radially outwardly from the braided tubular wall.

41. (Previously Presented) The stent of claim 31 wherein:

the elevations have heights in the radial direction from the braided tubular wall of approximately one to two times the diameter of the helically wound wires.

42. (Previously Presented) The stent of claim 31 wherein:

the elevations are arranged in a helical elevation pattern on the braided tubular wall.

43. (Currently Amended) A body insertable stent, including:

a flexible self-expanding braided tubular wall comprising at least one first wire helically wound at a substantially constant first pitch and at least one second wire helically wound at a substantially constant second pitch different from the first pitch whereby the first and second wires cooperate to form multiple crossing points of the at least one first wire and the at least one second wire;

Application No. 10/674729
Page 3

Amendment
Attorney Docket No. S63.2Q-13017-US04

wherein at a number of selected ones of the crossing points, said number being substantially less than the total number of crossing points, each of the first wire and the second wire is shaped to form respective first and second elevations extended in the same direction radially away from the braided tubular wall; and

wherein said elevations are arranged in at least one elevation pattern on the braided tubular wall.

44. (Previously Presented) The stent of claim 43 wherein:

said elevations extend radially outwardly from the braided tubular wall.

45. (Previously Presented) The stent of claim 43 wherein:

the at least one elevation pattern has a third pitch different from the first pitch and different from the second pitch.

46. (Previously Presented) The stent of claim 43 wherein:

the elevations have heights in the radial direction from the braided tubular wall of approximately one to two times the diameter of the helically wound wire.

47-65. (Cancelled)

66. (Currently Amended) A body insertable prosthesis, including:

a flexible self-expanding tubular mesh wall comprising a plurality of elongate wall segments cooperating to form multiple crossing points at which different ones of the elongate wall segments cross each other;

wherein at a number of selected ones of the crossing points, said number being less than the total number of crossing points, pairs of the elongate wall segments crossing one another are shaped to form respective first and second elevations extended in the same direction radially away from the tubular mesh wall; and

wherein the elevations are arranged in ~~at least one~~ a helical elevation pattern on the tubular mesh wall.

67. (Previously Presented) The prosthesis of claim 66 wherein:

said elevations extend radially outwardly from the braided tubular wall.

68. (Previously Presented) The prosthesis of claim 66 wherein:

the elongate wall segments include a first wall segment wound helically at a first pitch and a second wall segment wound helically at a second pitch different from the first pitch, and the at least one elevation pattern has a third pitch different from the first pitch and different from

Application No. 10/674729
Page 4

Amendment
Attorney Docket No. S63.2Q-13017-US04

the second pitch.

69-75. (Cancelled)

76. (Previously Presented) The prosthesis of claim 66 wherein:

the tubular mesh wall comprises at least one wire wound to form said crossing points,
and said elongate wall segments comprise different length-portions of the at least one wire.